AMENDMENTS TO THE SPECIFICATION

Please delete the paragraph on page 14, lines 16-28 and replace it with the following paragraph:

In one embodiment, methylation specific primers amplify a desired genomic target using the polymerase chain reaction (PCR). The amplified product is then detected using standard methods known in the art. In one embodiment, a PCR product (i.e., amplicon) or real-time PCR product is detected by probe binding. In one embodiment, probe binding generates a fluorescent signal, for example, by coupling a fluorogenic dye molecule and a quencher moiety to the same or different oligonucleotide substrates (e.g., TaqMan® (Applied Biosystems, Foster City, CA, USA), Molecular Beacons (see, for example, Tyagi et al., Nature Biotechnology 14(3):303-8, 1996), Scorpions® (Molecular Probes Inc., Eugene, OR, USA)). In another example, a PCR product is detected by the binding of a fluorogenic dye that emits a fluorescent signal upon binding (e.g., SYBR® Green (Molecular Probes)). Such detection methods are useful for the detection of a methylation specific PCR product. Exemplary Primers and Probes are provided in Table 1 (SEQ ID NOS: 1-11 **and 24-45, left to right**)

Please insert the paper copy of the sequence listing submitted herewith at page 43 (the last page of the specification prior to the claims) and renumber the remaining pages of the specification accordingly.

2

Please delete Table 1. on page 15, and replace it with the following table:

Table 1. Exemplary primers and probes

Gene	Forward 5'-3' (SEQ ID NOS 1-11)	Probe 6FAM 5'-3'TAMRA (SEQ ID NOS 24-34)	Reverse 5'-3' (SEQ ID NOS 35-45)
ACTB	TGG TGA TGG AGG AGG TTT AGT AAG T (390-414)	ACC ACC ACC CAA CAC ACA ATA ACA AAC ACA (432-461)	AAC CAA TAA AAC CTA CTC CTC CCT TAA (496-522)
GSTP1	AGT TGC GCG GCG ATT TC (1033-1049)	CGG TCG ACG TTC GGG GTG TAG CG (1073-1095)	GCC CCA ATA CTA AAT CAC GAC GAC G (1151-1172)
P16	TTA TTA GAG GGT GGG GCG GAT CGC (25-48)	AGT AGT ATG GAG TCG GCG GCG GG (99-121)	GAC CCC GAA CCG CGA CCG TAA (154-174)
RAR-β2	GGGATTAGAATTTTTTATGCGAGTTGT(907-934)	TGTCGAGAACGCGAGCGATTCG(948-969)	TACCCCGACGATACCCAAAC(980-999)
Rassf1A	GCG TTG AAG TCG GGG TTC (45-62)	ACA AAC GCG AAC CGA ACG AAA CCA(69-92)	CCC GTA CTT CGC TAA CTT TAA ACG(96-119)
S100A2	TGGTTTCGATTTTTTGATTTCG(5075-5096)	CGACCGAACGCGATAACTTACTCCTA (5135-5160)	TCAAAATTCTTTTTACAACAACGCC(5293-5317)
TIMP3	GCGTCGGAGGTTAAGGTTGTT(1051-1072)	AACTCGCTCGCCCGCCGAA(1081-1099)	CTCTCCAAAATTACCGTACGCG(1122-1143)
APC	GAA CCA AAA CGC TCC CCA T (761-779)	CCC GTC GAA AAC CCG CCG ATT A (781-802)	TTA TAT GTC GGT TAC GTG CGT TTA TAT (808-834)
ARF	ACGGGGCGTTTTCGGTAGTT(5447-5465)	CGACTCTAAACCCTACGCACGCGAAA (5468-5493)	CCGAACCTCCAAAATCTCGA(5496-5515)
MGMT	CGA ATA TAC TAA AAC AAC CCG CG (1029-1051)	AAT CCT CGC GAT ACG CAC CGT TTA CG (1084-1109)	GTA TTT TTT CGG GAG CGA GGC (1130-1150)
CRBP1	CTGGGAATCCAGCTGTCGCCGCCCCGCA	GACCCGAAAATAAACGCCCTCCGAAAACA	GCGCATCATAGCCATCAGCAACAAA